

Appendix A

Partial translation of Reference

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Synthesis, Designing and Development for new use of Acrylic Resin

—Comprehensive Technical Materials —

Chyubu Management Development Center Publication Division

Title of page 320

e) Ni- acrylic-based conductive paint

Table 1 in page 322

Table1 Classification of conductive paint by setting temperature

	Low-temperature setting type	<u>High-temperature sintering type</u>
Conductive filler	silver, carbon, graphite, copper coated silver, Ni, copper	Ag-Pd, Ag-Pt, Au Ru
Binder	Synthetic resin(thermoplastic acrylic), thermosetting acrylic, epoxy, phenol, etc	Primary binder: synthetic resin= <u>acrylic-based</u> , cellulose- based Secondary binder: frit = low- melting-point glass
Setting condition	Solvent drying type (20~150°C) Setting type (20~200°C)	<u>Primary sintering (Primary binder is decomposed and removed) 350~450°C</u> Secondary sintering: 500~800°C
Application	See Figure 5	IC, thick film paste capacitor

- Underline was added by Applicant.

Back cover

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Date of Issuance July 1, Syowa 60 (1985)

Publisher Hiroshi Takahara

Publication Office Chyubu Management Development Center

Publication Division

4-3-10 (Toukai bldg.), Naeki, Nakamura-ku, Nagoya-shi,
Aichi 450 Tel 052-583-1285

Printing/Binding Kabushikikaisya Kobundo